



Blakely, Sokoloff, Taylor & Zafman LLP (503) 684-6200
Title: STACKED FERROELECTRIC MEMORY DEVICE AND METHOD OF
MAKING SAME
1st Named Inventor: Jian Li
Application No.: 09/960,125
Sheet: 1 of 13

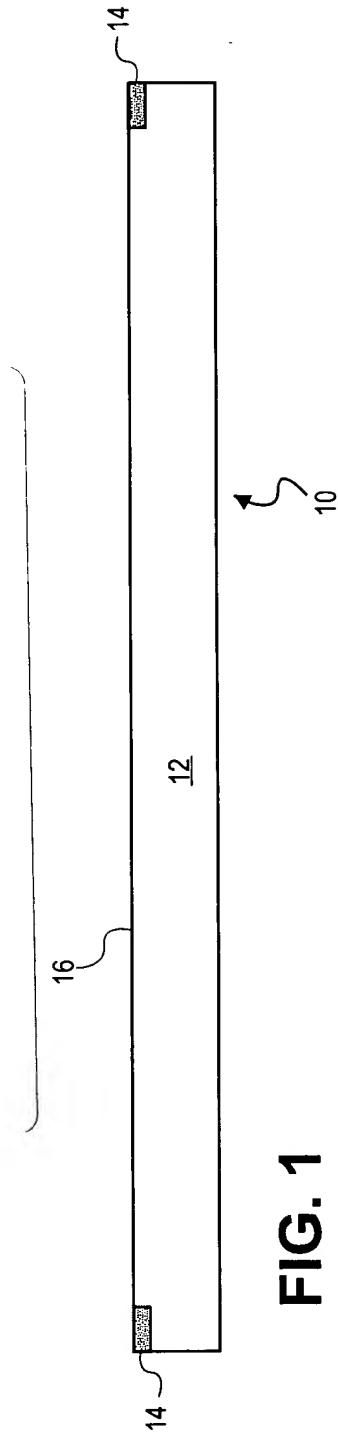


FIG. 1

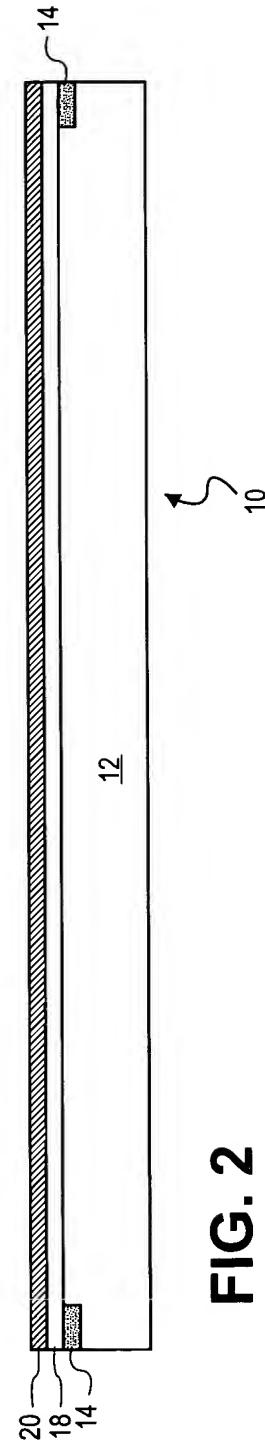


FIG. 2

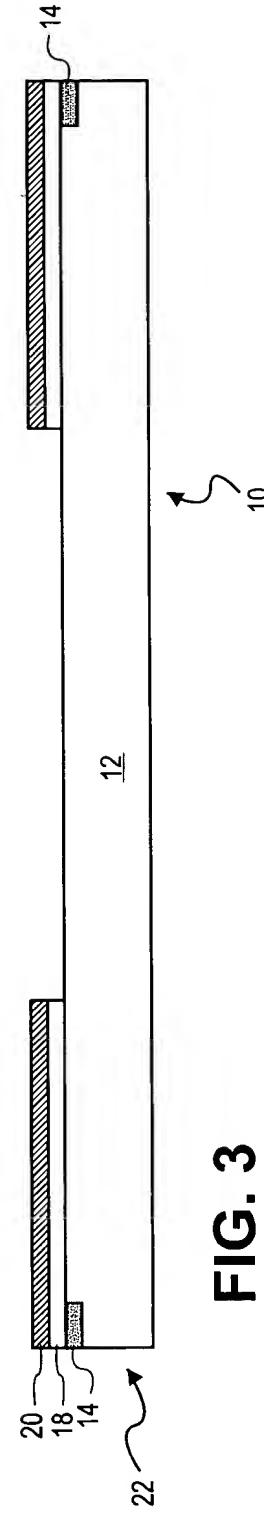


FIG. 3



Blakely, Sokoloff, Taylor & Zafman LLP
(503) 684-6200
Title: STACKED FERROELECTRIC MEMORY DEVICE AND METHOD OF
MAKING SAME
1st Named Inventor: Jian Li
Application No.: 09/960,125
Docket No.: 42390P11557X
Sheet: 2 of 13

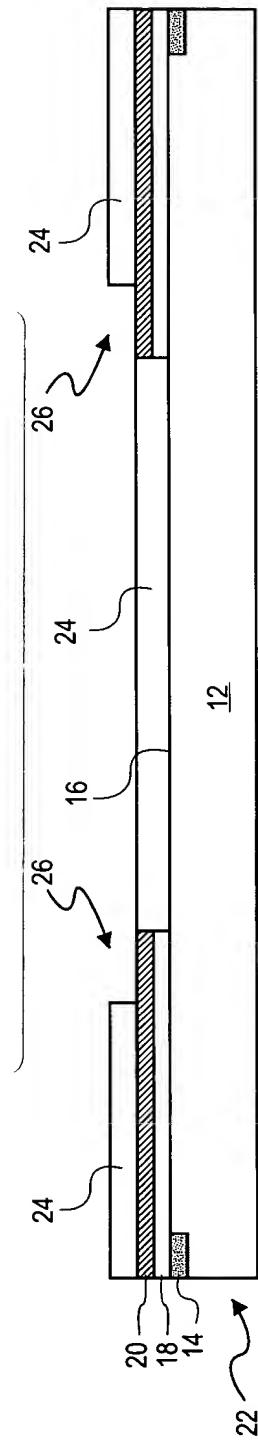


FIG. 4

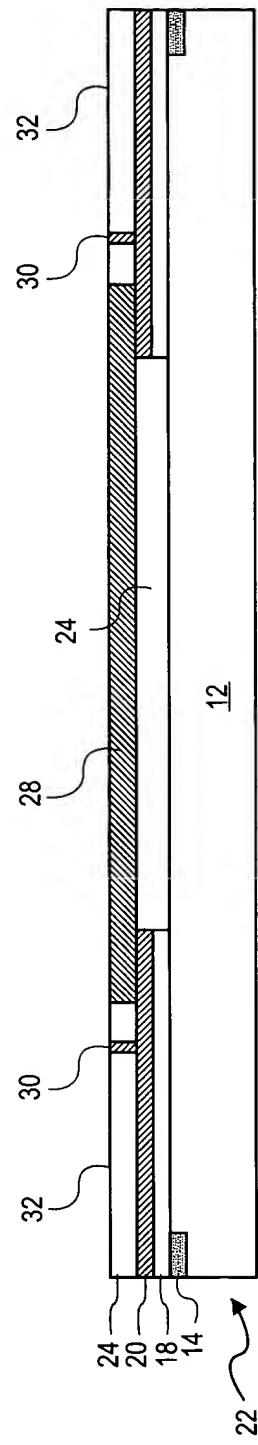


FIG. 5

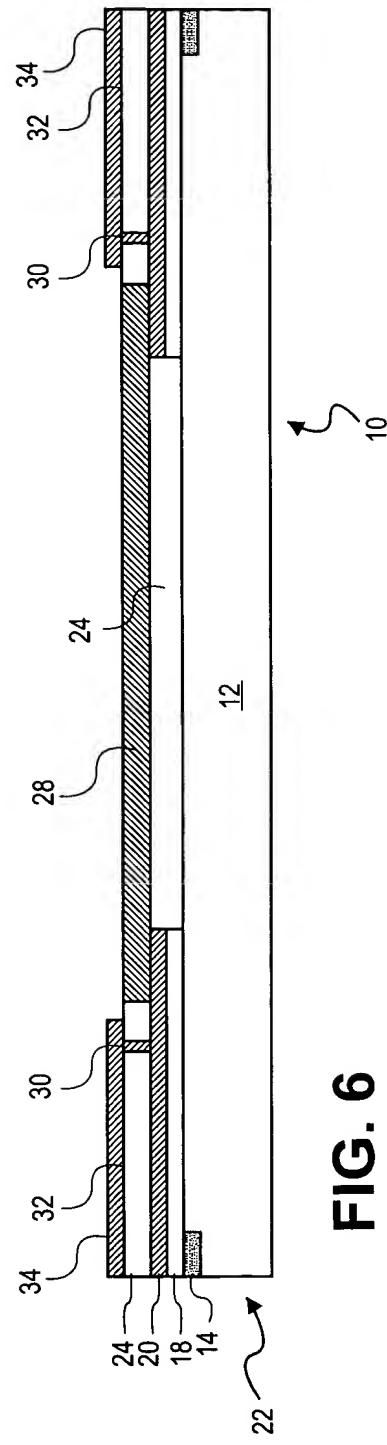


FIG. 6

Blakely, Sokoloff, Taylor & Zafman LLP
(503) 684-6200
Title: STACKED FERROELECTRIC MEMORY DEVICE AND METHOD OF
MAKING SAME
1st Named Inventor: Jian Li
Application No.: 09/960,125
Sheet: 3 of 13

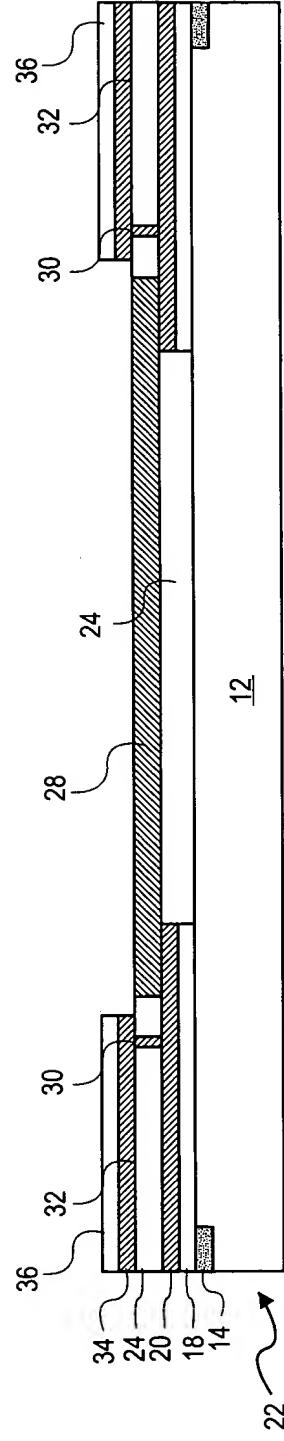


FIG. 7

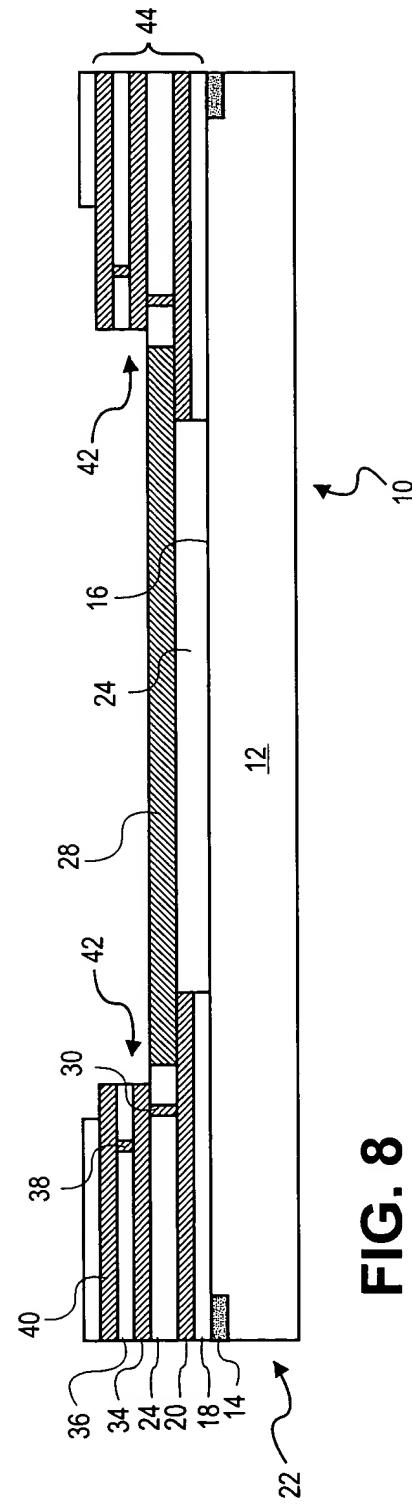


FIG. 8

Blakely, Sokoloff, Taylor & Zafman LLP
Title: STACKED FERROELECTRIC MEMORY DEVICE AND METHOD OF
MAKING SAME
1st Named Inventor: Jian Li
Application No.: 09/960,125
Sheet: 4 of 13

(503) 684-6200
PATENT & TRADEMARK OFFICE
DEC 22 2003
Docket No.: 42390P11557X

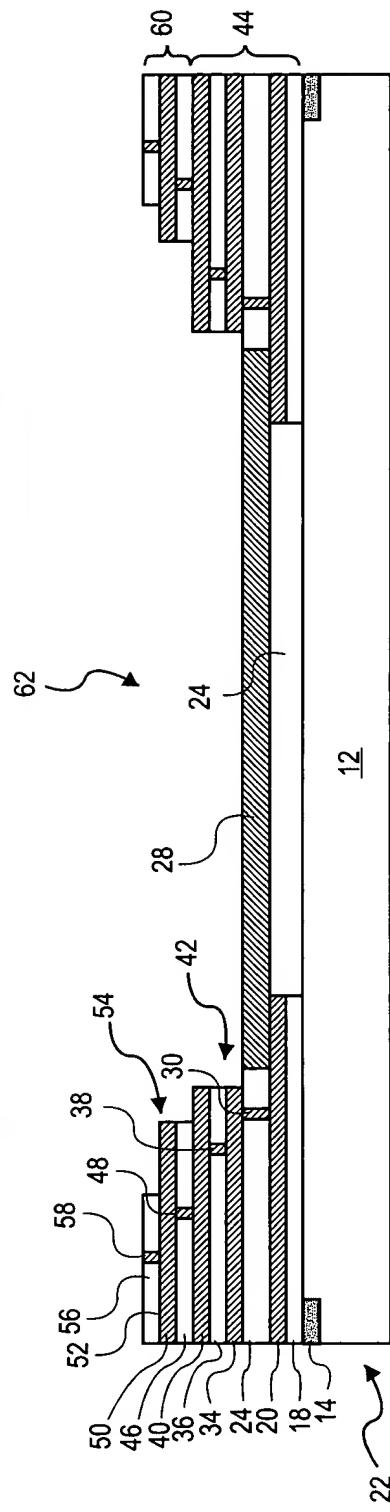


FIG. 9

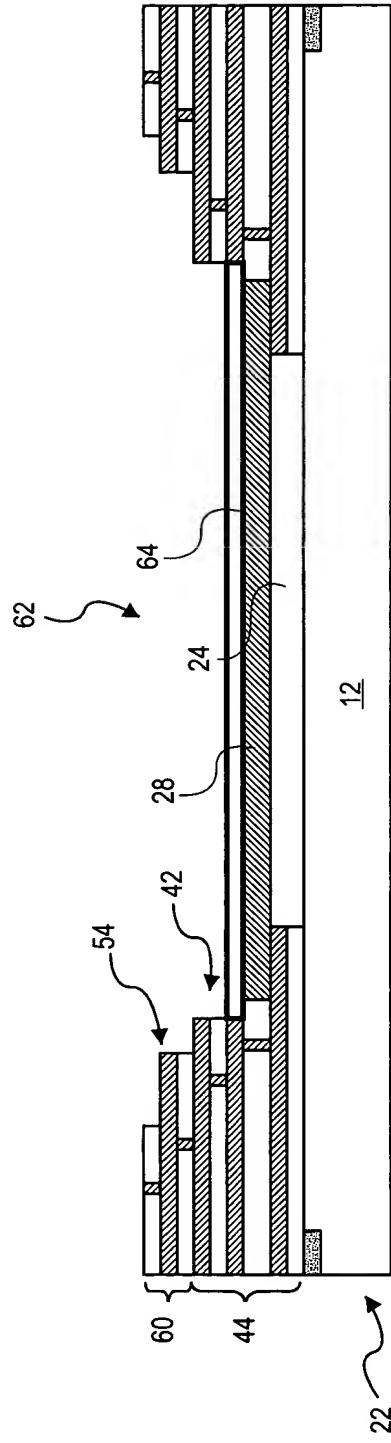


FIG. 10





Blakely, Sokoloff, Taylor & Zafman LLP (503) 684-6200
Title: STACKED FERROELECTRIC MEMORY DEVICE AND METHOD OF
MAKING SAME
1st Named Inventor: Jian Li
Application No.: 09/960,125
Sheet: 5 of 13

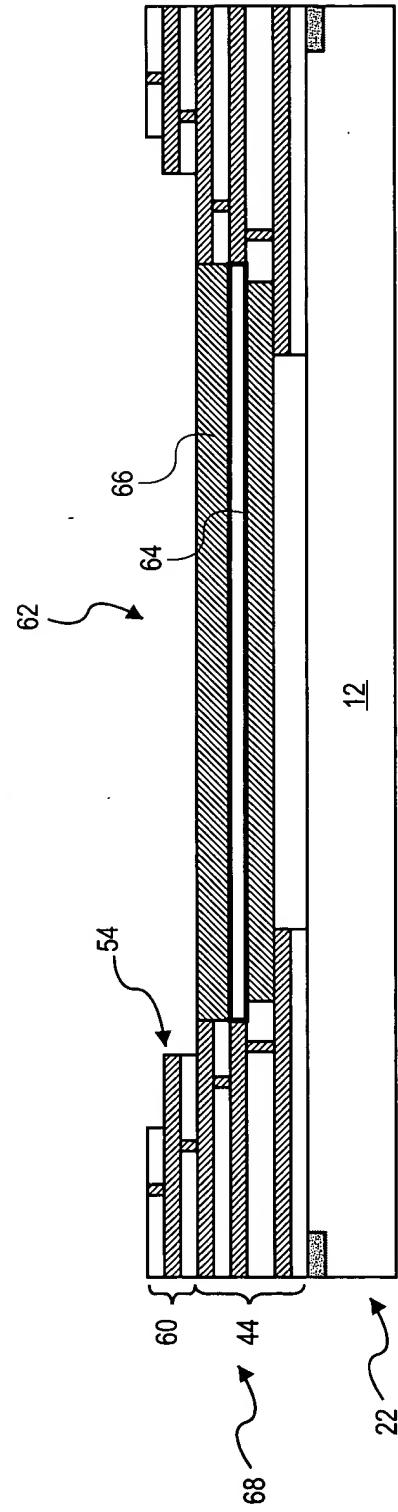


FIG. 11

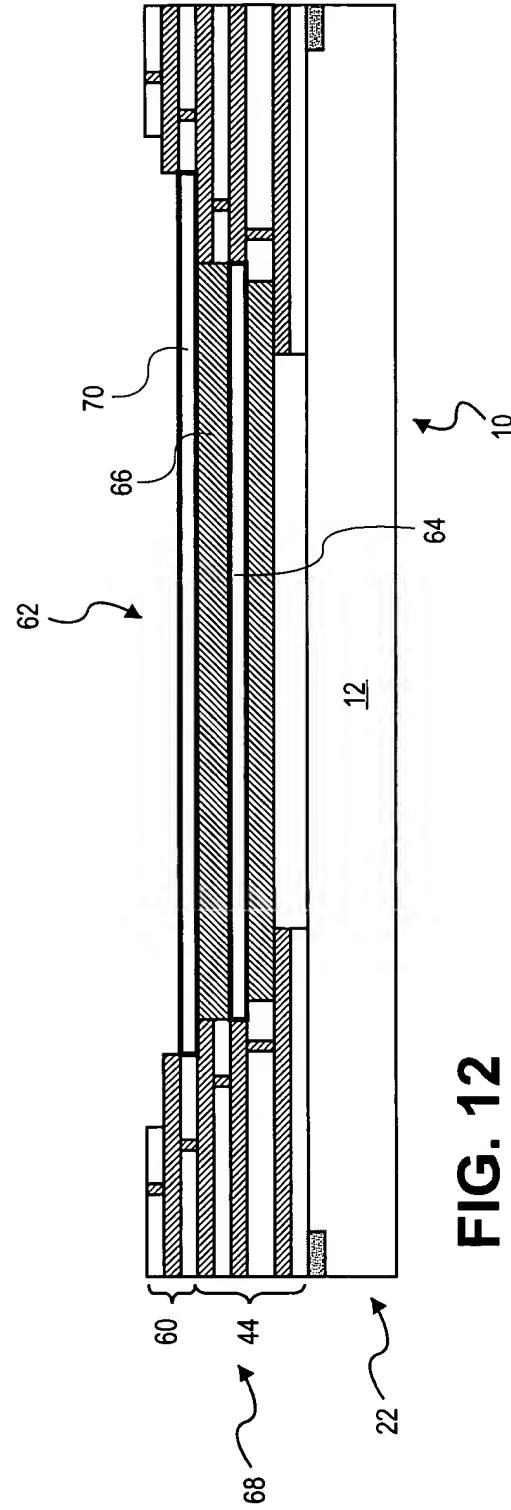


FIG. 12



Blakely, Sokoloff, Taylor & Zafman LLP
 Title: STACKED FERROELECTRIC MEMORY DEVICE AND METHOD OF
 MAKING SAME
 1st Named Inventor: Jian Li
 Application No.: 09/960,125
 Sheet: 6 of 13

(503) 684-6200

Docket No.: 42390P11557X

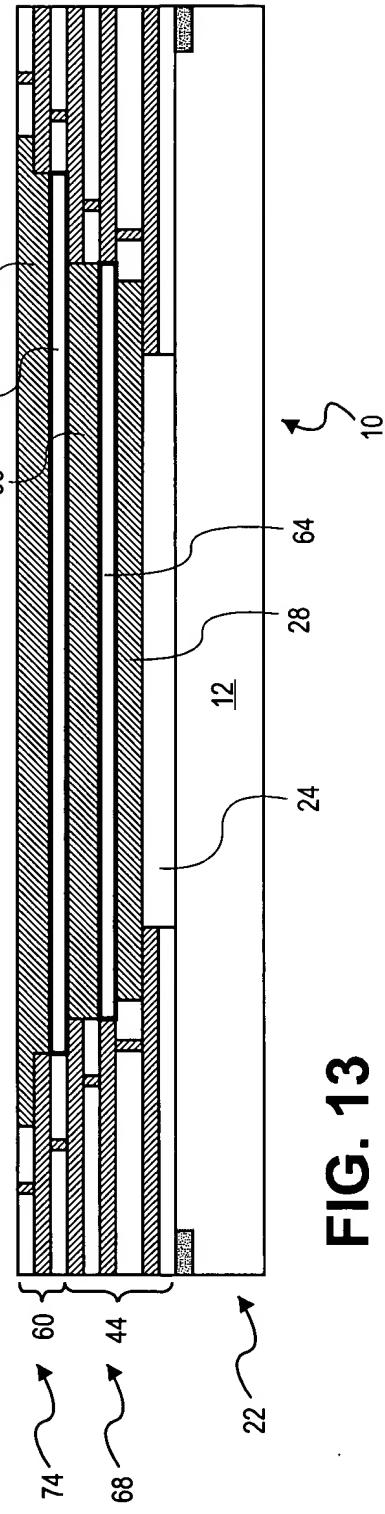


FIG. 13

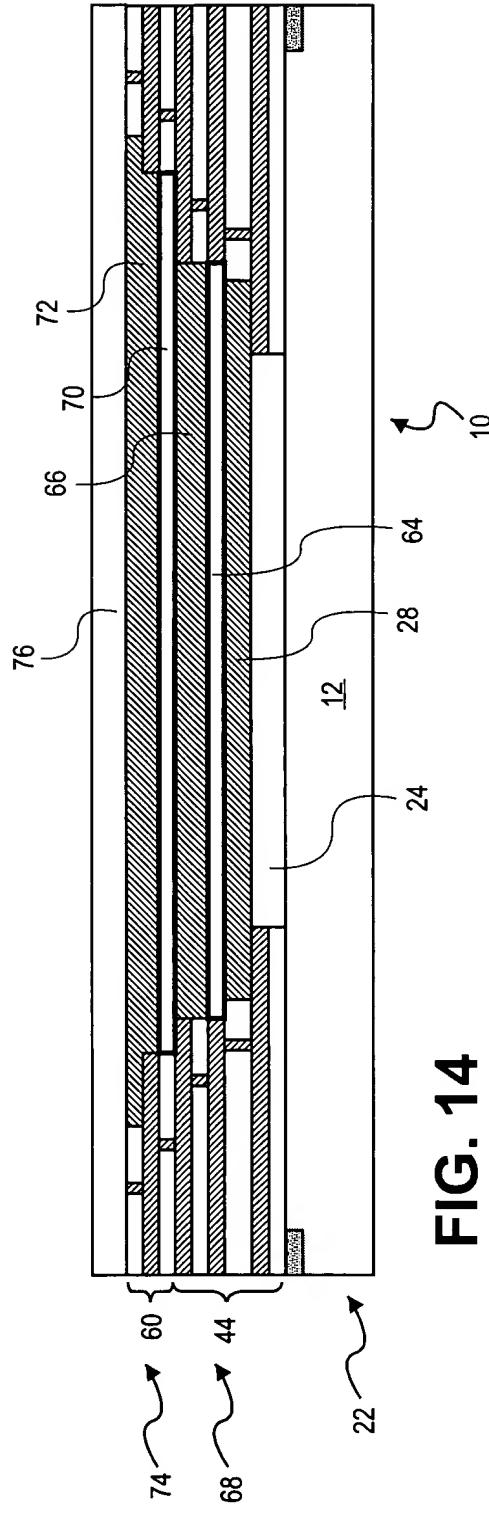


FIG. 14



Blakely, Sokoloff, Taylor & Zafman LLP (503) 684-6200
Title: STACKED FERROELECTRIC MEMORY DEVICE AND METHOD OF
MAKING SAME
1st Named Inventor: Jian Li
Application No.: 09/960,125
Sheet: 7 of 13
Docket No.: 42390P11557X

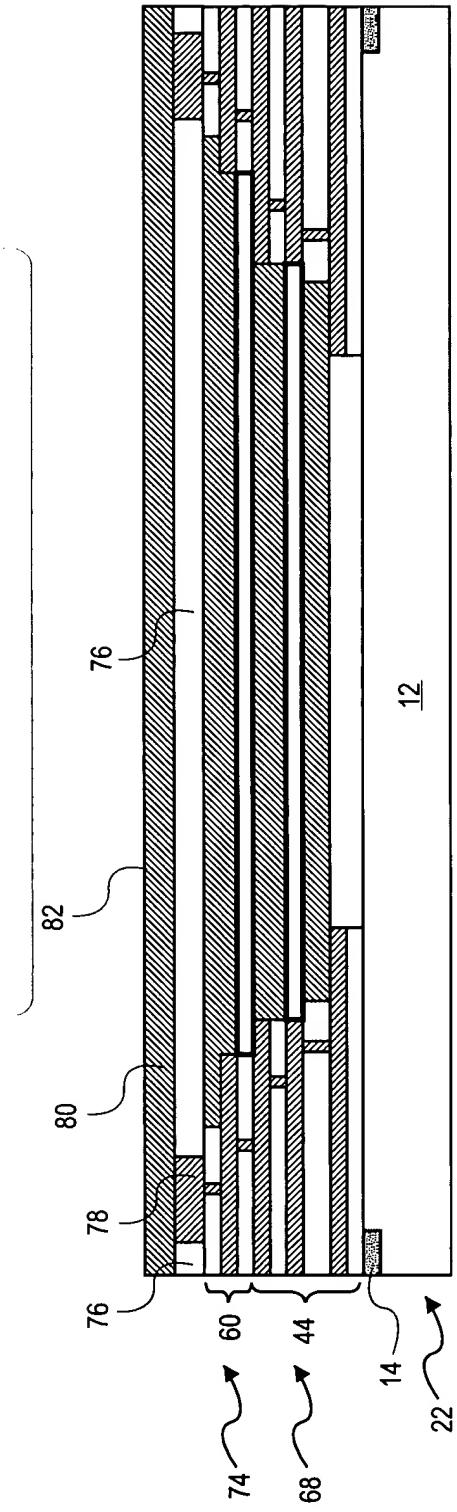


FIG. 15

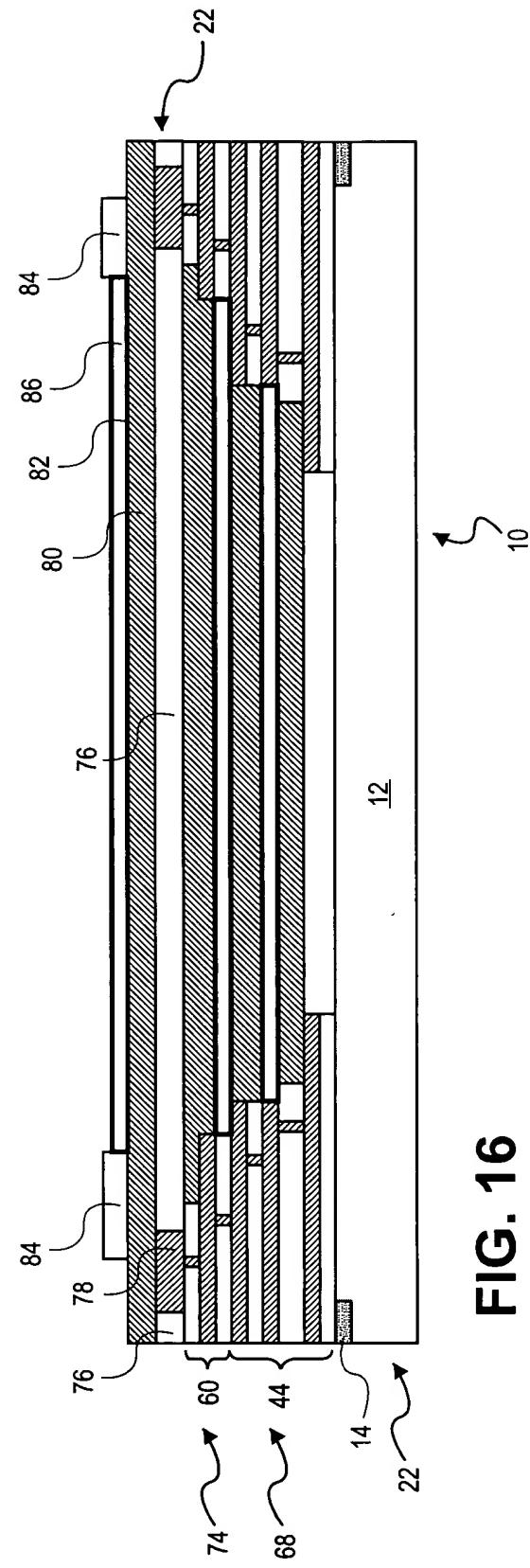


FIG. 16

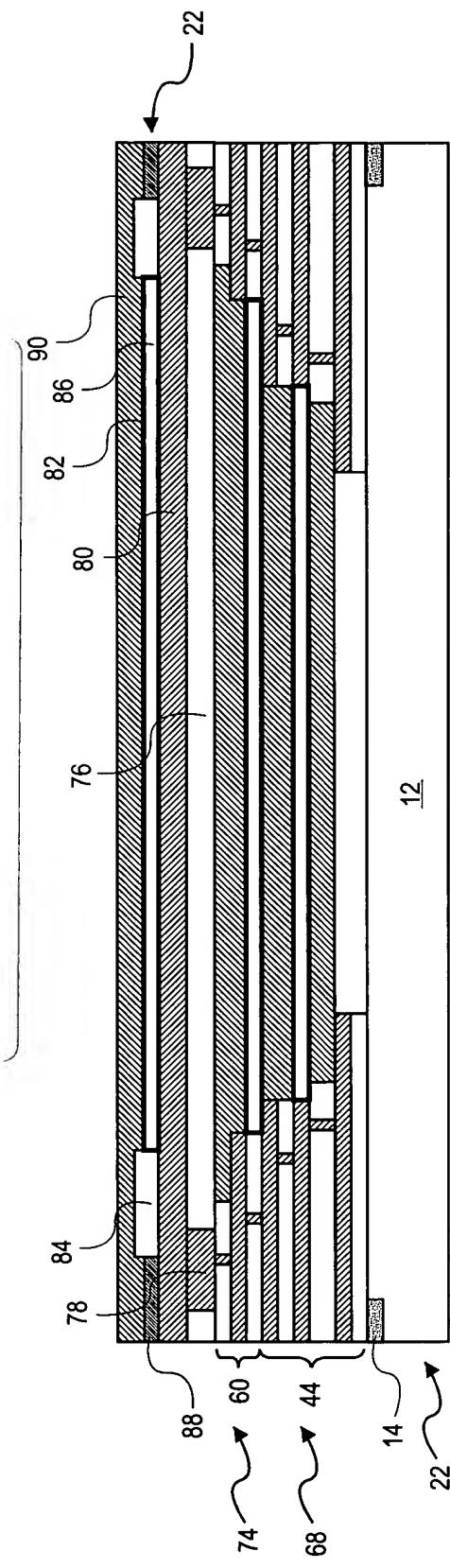


FIG. 17

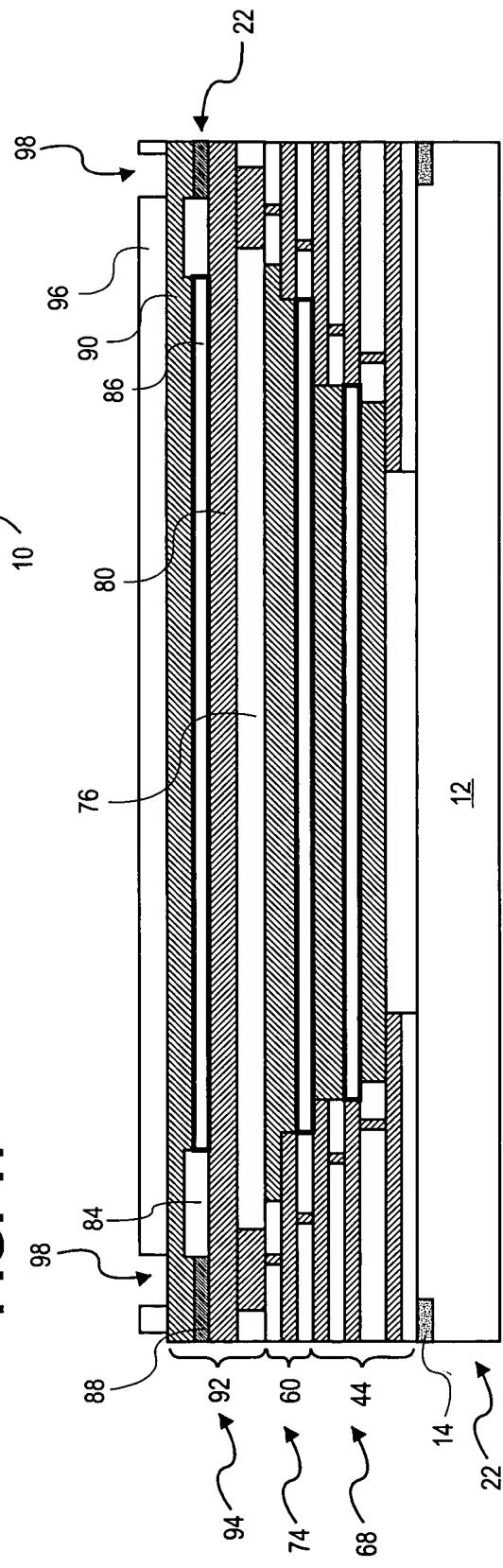


FIG. 18

Blakely, Sokoloff, Taylor & Zafman LLP (503) 684-6200
Title: STACKED FERROELECTRIC MEMORY DEVICE AND METHOD OF
MAKING SAME
1st Named Inventor: Jian Li
Application No.: 09/960,125
Sheet: 9 of 13

Docket No.: 42390P11557X

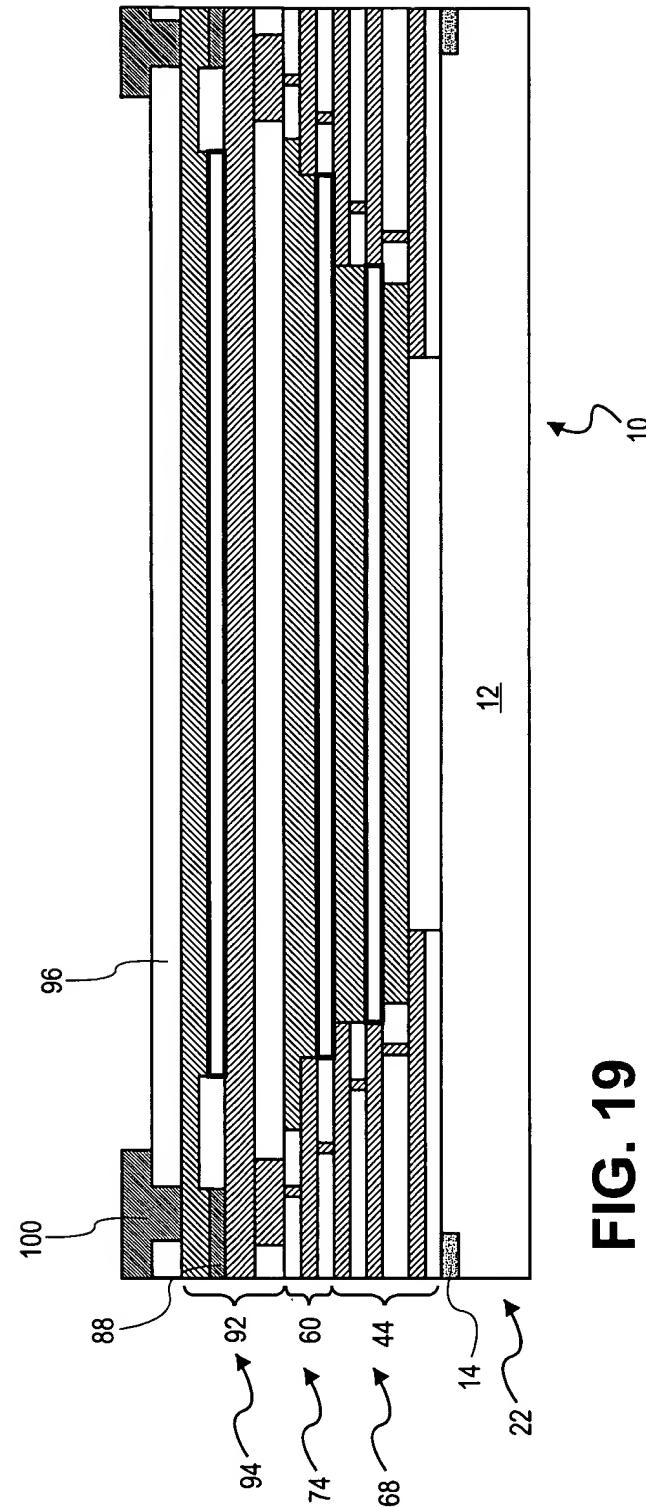


FIG. 19

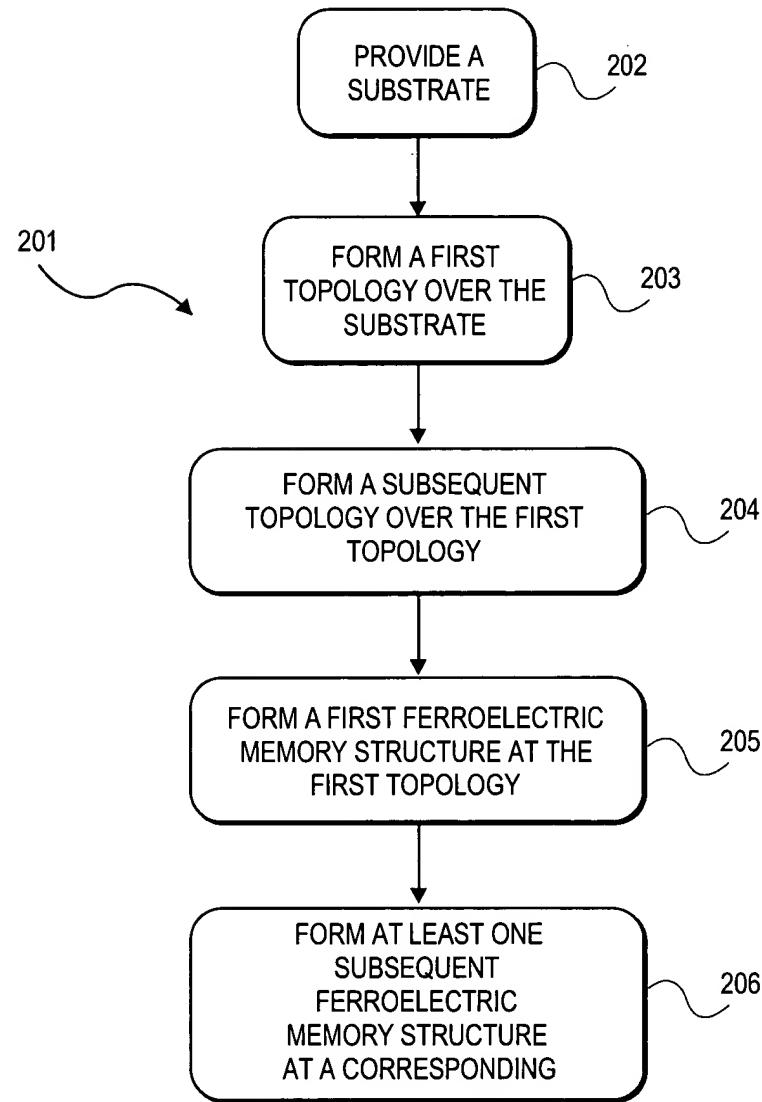


FIG. 20



Blakely, Sokoloff, Taylor & Zafman LLP (503) 684-6200
Title: STACKED FERROELECTRIC MEMORY DEVICE AND METHOD OF
MAKING SAME
1st Named Inventor: Jian Li
Application No.: 09/960,125 Docket No.: 42390P11557X
Sheet: 11 of 13

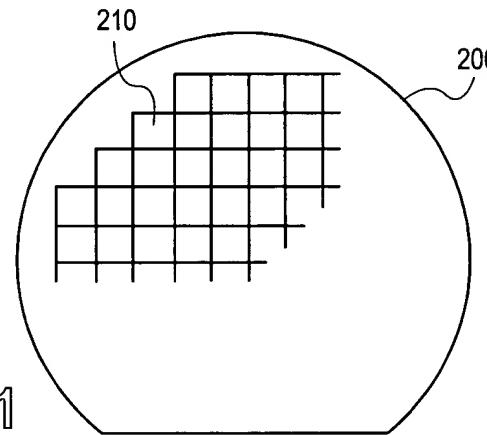


FIG. 21

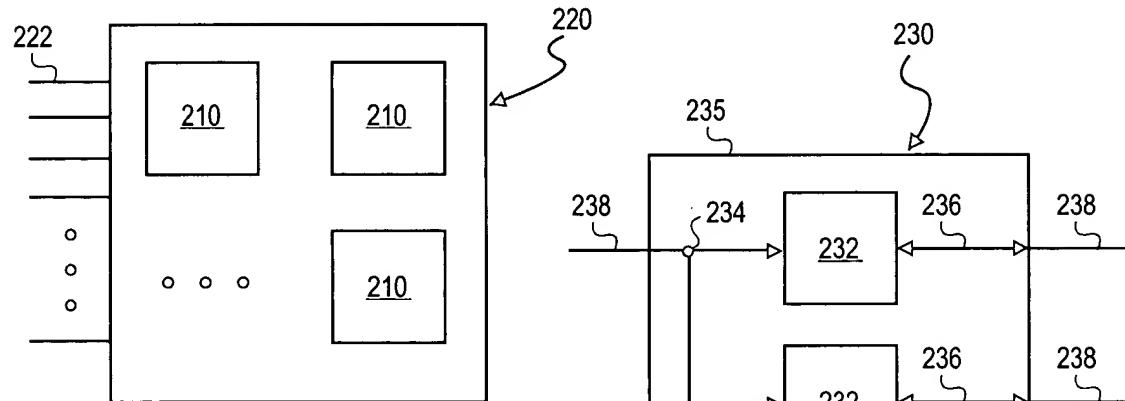


FIG. 22

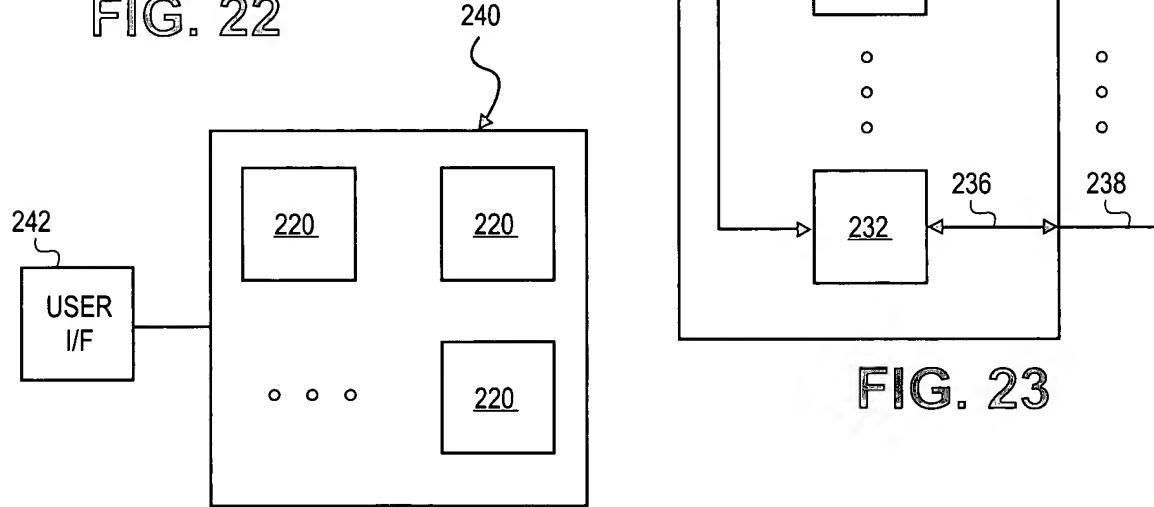


FIG. 23

FIG. 24



Blakely, Sokoloff, Taylor & Zafman LLP (503) 684-6200
Title: STACKED FERROELECTRIC MEMORY DEVICE AND METHOD OF
MAKING SAME
1st Named Inventor: Jian Li
Application No.: 09/960,125
Docket No.: 42390P11557X
Sheet: 12 of 13

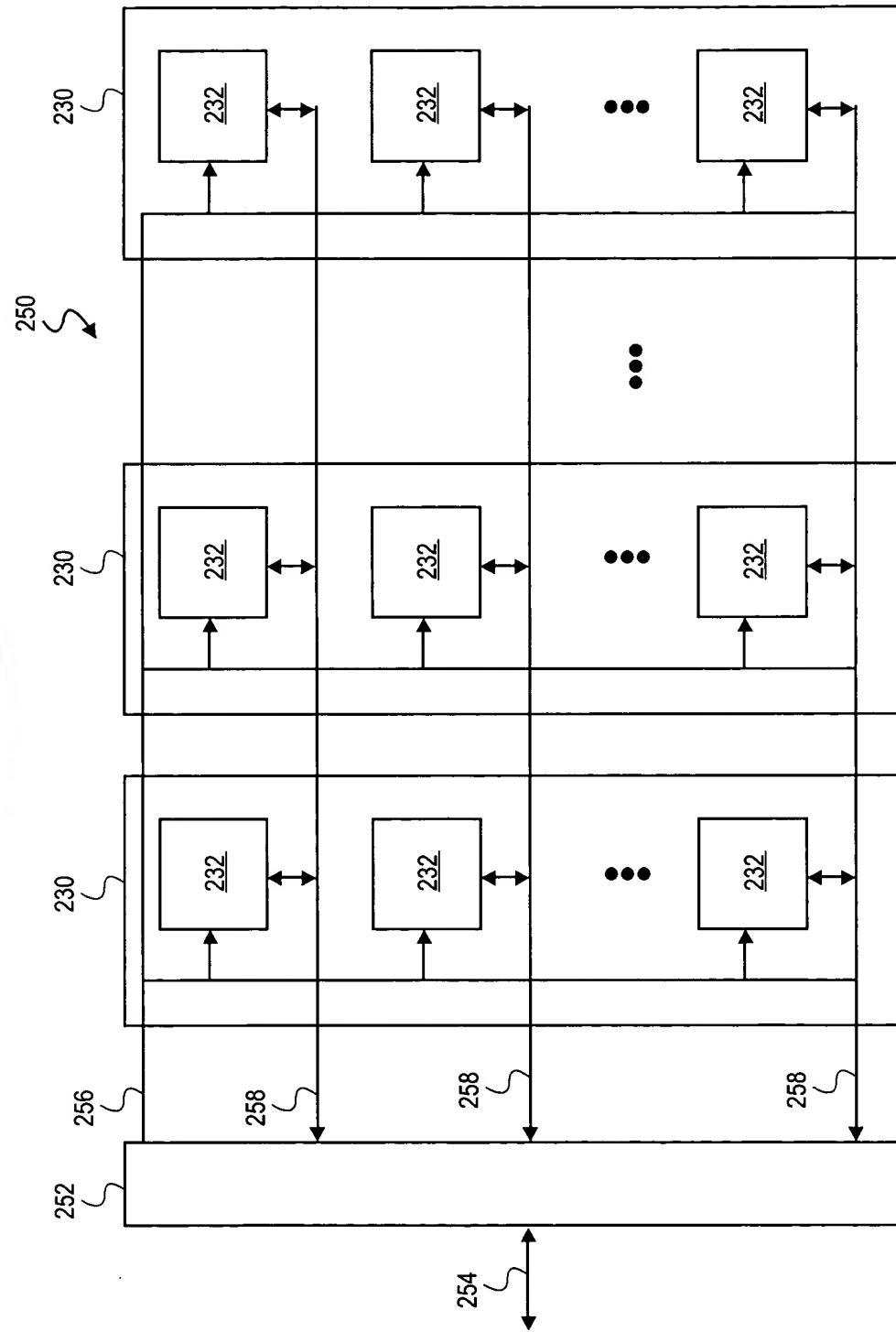


FIG. 25

Blakely, Sokoloff, Taylor & Zafman LLP (503) 684-6200
Title: STACKED FERROELECTRIC MEMORY DEVICE AND METHOD OF
MAKING SAME
1st Named Inventor: Jian Li
Application No.: 09/960,125
Sheet: 13 of 13

DEC 22 2003

Docket No.: 42390P11557X

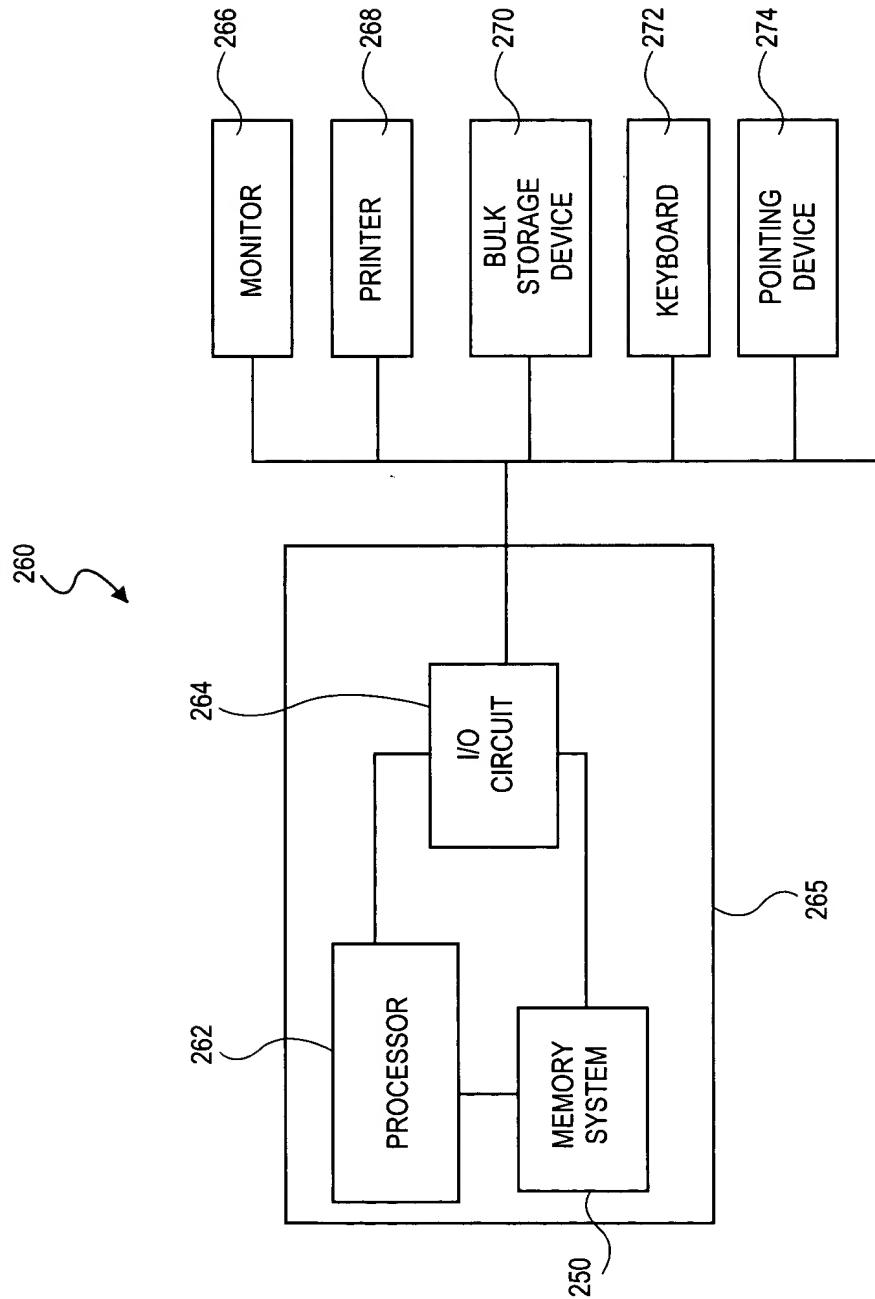


FIG. 26